

20RM PTO 1390  
(REV 11-98)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

AMSC-001

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**09/868753**INTERNATIONAL APPLICATION NO.  
PCT/US00/29231 ✓INTERNATIONAL FILING DATES  
23 October 2000 ✓PRIORITY DATE CLAIMED  
22 October 1999 ✓

TITLE OF INVENTION VACCINE COMPOSITIONS ✓

APPLICANT(S)  
FOR DO/EO/US

John R. MURPHY et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371 (f)).
4. ☐ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. w/PTO-1449, 2 references
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 & 3.31 is included.
13. ☐ A FIRST preliminary amendment.  
☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:

-Copy of International Application as published  
 -Ten (10) Sheets Drawings  
 -Sequence Listing  
 -Statement accompanying Sequence Listing  
 -Diskette Containing Sequence Listing

6/21/01 Form PTO-1390 (Rev 10-98)

Page 1 of 2

EXPRESS MAIL LABEL NO.

**EL807550335US**

DATE: June 21, 2001

09868753-064201

U.S. APPLICATION NO. (if known, See 37 CFR 1.5) <div style="font-size: 24pt; font-weight: bold; margin-top: 5px;">09/868753</div>	INTERNATIONAL APPLICATION NO. PCT/US00/29231	ATTORNEY'S DOCKET NUMBER AMSC-001
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17. <input checked="" type="checkbox"/> The following fees are submitted: <div style="margin-top: 10px;"> <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b>  <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1,000.00  <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$860.00  <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$710.00  <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$690.00  <input checked="" type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00         </div>	<b>CALCULATIONS</b> PTO USE ONLY																									
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>	100.00																									
Surcharge of <u>\$130.00</u> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;"></th> </tr> <tr> <td>Total claims</td> <td>32 - 20 =</td> <td></td> <td>x \$18.00</td> <td>216.00</td> </tr> <tr> <td>Independent claims</td> <td>4 - 3 =</td> <td></td> <td>x \$80.00</td> <td>80.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td>+ \$270.00</td> <td></td> </tr> <tr> <td colspan="4"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>396.00</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		Total claims	32 - 20 =		x \$18.00	216.00	Independent claims	4 - 3 =		x \$80.00	80.00	MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+ \$270.00		<b>TOTAL OF ABOVE CALCULATIONS =</b>				396.00	<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.
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Processing fee of <u>\$130.00</u> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). +																										
<b>TOTAL NATIONAL FEE =</b>		396.00																								
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). Assignment must be accompanied by appropriate cover sheet (37 CFR 3.28, 3.31) (+ \$40.00 per property).																										
<b>TOTAL FEES ENCLOSED =</b>		396.00																								
* As In Preliminary Amendment		<b>Amount to be: Refunded  Charged</b>																								

  

a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>12-1095</u> in the amount of <u>\$ 396.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to my Deposit Account No. <u>12-1095</u> . A duplicate copy of this sheet is enclosed.	
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**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

**Lerner, David, Littenberg, Krumholz & Mentlik, LLP**  
 600 South Avenue West  
 Westfield, NJ 07090  
 Telephone 908 654-5000

\_\_\_\_\_  
 Signature  
**SHAWN P. FOLEY**  
 \_\_\_\_\_  
 Name  
 33,071

**THE**